

## P a t e n t   C l a i m s

1. Laundry detergent compact comprising a pulverulent and/granular [sic] laundry detergent composition and an incorporated disintegrant comprising finely divided cellulose material, which is intended for rapid dissolution/dispersion with release of the laundry detergent composition following introduction into liquid, **characterized in** that the cellulose material is compacted prior to its admixture to the laundry detergent composition and is present in the compact in the form of compacted granules having a density of from 0.5 to 1.5 g/cm<sup>3</sup>.

2. Laundry detergent compact according to Claim 1, **characterized in** that in the case of a laundry detergent composition the particle size of the cellulose starting material is from 20 to 200  $\mu$ m, preferably from 40  $\mu$ m to 60  $\mu$ m.

3. Laundry detergent compact according to Claim 1 ~~or~~ 2, **characterized in** that in the compacted granules of the cellulose material have a particle size of from 0.2 to 6.0 mm.

4. Laundry detergent compact according to Claim 3, **characterized in** that in the compacted granules of the cellulose material have a particle size of from 0.4 to 1.5 mm.

5. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 4~~, **characterized in** that the weight fraction

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of the compacted cellulose material in the finished compact is from 3 to 6 percent.

a 6. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 5~~, characterized in that it additionally includes a fraction of finely divided noncompacted cellulose material.

5/8 7. Laundry detergent compact according to Claim 6, characterized in that the weight fraction of the non-compacted cellulose material in the finished compact is from 1 to 3 percent.

a 8. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 7~~, characterized in that the cellulose material present in the compact has a coating comprising a swelling agent and/or thickener.

65373 9. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 8~~, characterized in that the cellulose material present in the compact has a coating comprising a surfactant.

10. Laundry detergent compact according to Claim 9, characterized in that the compact comprises the surfactant in a weight fraction of from 0.5 to 2.0 percent of the finished compact.

a 11. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 10~~, characterized in that the compact comprises fibrillated cellulose material.

a 12. Laundry detergent compact according to ~~one of~~ Claims 1 ~~to 11~~, characterized in that the compact has been pressed from a mixture of the pulverulent or

granular ingredients with the finely divided cellulose material in dry or earth-moist form.

13. Laundry detergent compact according to ~~one of~~ Claims 1 to 12, characterized in that the cellulose material is TMP (thermo-mechanical pulp).

14. Laundry detergent compact according to ~~one of~~ Claims 1 to 13, characterized in that the cellulose material is CTMP (chemo-thermo-mechanical pulp).

15. Laundry detergent compact according to ~~one of~~ Claims 1 to 14, characterized in that the largest dimension of the compact is from 1 to 10 cm, preferably from 2 to 4 cm.

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